

## THE WEATHER OF 1942 IN THE UNITED STATES

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The mean temperature for the year 1942, derived by weighting the averages for the varying areas of the several States, was exactly normal, being  $53.2^{\circ}$ , or the same as the average for the 1886 to 1942 period, during which time the highest mean annual temperature was  $55.6^{\circ}$  in 1921 and the lowest,  $51.8^{\circ}$  in 1917. With the exception of  $+1.3^{\circ}$  in North Dakota, all the State annual averages for the past year were within  $1^{\circ}$  of their respective annual normals. The greatest negative departures were  $-1.0^{\circ}$  for Idaho, followed by  $-0.8^{\circ}$  for Louisiana. In respect to area, the annual mean temperatures were generally somewhat below normal in the Gulf States, Rocky Mountains, and Pacific States, except in Nevada and Washington, and practically normal to above elsewhere. The greatest plus departures were in the Northern Plains.

Maximum temperatures of over  $100^{\circ}$  were not recorded until April, with  $104^{\circ}$  at Laredo, Tex. on the 30th. The last month during the year with over  $100^{\circ}$  was October, with  $107^{\circ}$  at El Centro, Calif. A temperature of  $99^{\circ}$  was reported from Laredo, Tex. as late as November 25. Maximum temperatures of  $100^{\circ}$  and above were reported from every section, except New York and New England. Readings of  $105^{\circ}$  to  $111^{\circ}$  were quite general in the Great Plains a few times during the summer, but this is not unusual. The extreme highest temperature for 1942 was  $126^{\circ}$  at Cow Creek, Calif., on July 24. The highest ever recorded in the United States was  $134^{\circ}$  at Greenland Ranch, Death Valley, Calif., July 10, 1913.

Subzero temperatures drifted southeastward into the Cotton Belt as the year opened, with  $-15^{\circ}$  at Miami, Tex. on January 5, and  $-2^{\circ}$  at Hollywood, Ga., on the 11th. Below-zero temperatures were reported from North Dakota and the higher elevations of the West as late as April. They first began to reappear in the more northern Plains States and Rocky Mountains by the last week of October, reaching Kansas by the 29th of November. During December,  $-1^{\circ}$  occurred at Celina, Tenn. on the 4th, and  $-4^{\circ}$  at Mount Mitchell, N. C., on the 2d. The lowest temperature for the year was  $-52^{\circ}$  at Taylor Park, Colo., on February 18. The lowest ever recorded in the United States was  $-66^{\circ}$  at Riverside Ranger Station, Yellowstone Park, Wyo., on February 9, 1933.

Table 1 and the chart of annual temperature departures supplement these general remarks.

The first half of January was persistently cold, with subzero temperatures prevailing everywhere from the Rocky Mountains eastward to the Appalachians and reaching as far south as central Virginia, western North Carolina, and central Tennessee. A hard freeze penetrated the deep South with minimum temperatures as low as  $16^{\circ}$  in northern Florida. The last half was persistently warm in most sections, with temperatures averaging from  $20^{\circ}$  to almost  $30^{\circ}$  above normal in northwestern areas, however, subnormal temperatures continued in the Great Basin of the West. The monthly averages for about 70 percent of the States were below normal for January.

The relatively coldest month was February as shown by table 1. It is noted that all but six of the States had negative departures. For the month the average mean temperatures were above normal from the Dakotas to Wisconsin and in Washington and below normal elsewhere, with extreme departures of  $-6.1^{\circ}$  in Colorado,

$-5.6^{\circ}$  in Utah, and  $-5.5^{\circ}$  in South Carolina. The first half of the month was mild to abnormally warm for the season, except slightly below normal in the more eastern States; the latter half was decidedly cold.

The mean monthly temperatures for March were near normal to slightly below in the Cotton Belt, decidedly above in the Northern States east of the Rocky Mountains, mostly below normal in the Rocky Mountain region and about normal in the Pacific States. The averages for April were generally above normal in all sections. During May they were about normal over the southern half of the country, considerably above in the Northeast, and about  $3^{\circ}$  to  $5^{\circ}$  below normal in the Northwest and Great Basin. June temperatures averaged nearly normal in most sections, while July averages were moderately above normal, except below in most of southern Texas.

The monthly mean temperatures for August show a widespread uniformity in respect to normal, ranging from near normal to slightly above. The first half of September was rather uniformly warm, but the latter part brought abnormally cold weather to nearly all sections east of the Rockies. Record-breaking low temperatures were experienced in a considerable north-central area, with unprecedented early snowfall. Average temperatures for the months of October and November were somewhat above normal in nearly all sections. Over 85 percent of the State averages for October had plus departures, but  $+3.0^{\circ}$  for Nevada and  $+2.5^{\circ}$  for North Dakota were the only State departures exceeding  $+2.0^{\circ}$ .

The relatively warmest month in respect to its normal was November, which also had over 85 percent of its averages above normal. The mean State temperatures were  $3^{\circ}$  or more above normal in a triangular area from New Mexico eastward to Alabama and thence northward over Kentucky and Missouri, with the greatest mean departure being  $+3.8^{\circ}$  for Tennessee. During December temperatures were abnormally high from the central Great Plains westward, while east of this region the month was colder than normal in the central and northern States and somewhat above normal in the Southern States south of North Carolina and Tennessee.

The average annual precipitation for the country as a whole, based on weighted averages, was 31.10 inches for the past year, or 7 percent above the average for the 1886 to 1942 period, during which time the wettest year was 32.74 inches in 1915 and the driest 24.65 inches in 1910.

Figure 1 gives the State percentages of normal precipitation for the year; table 2 these percentages for the months and the year; and table 3, the monthly and annual amounts. The percentages of normal are also shown for first order stations by chart 2.

On an annual basis, the wettest State was Louisiana, with 56.84 inches and the driest was Nevada, with 7.60 inches. By State averages more than 50 inches of rain occurred in Alabama, Florida, Georgia, Louisiana, North Carolina, and Tennessee. On a departure basis, December was probably the wettest month, with 31 States having above normal precipitation. During this month the departures averaged 27 percent above normal. January was the relatively driest month. All States reported deficiencies for January, except Florida and Georgia, and the average monthly departure was 36 percent below normal. During April the totals were

from 2 to over 3 times the State normals in Arizona, California, Colorado, New Mexico, and Oklahoma, while Arizona had traces during May and June.

The greatest monthly amount reported at any station was 35.09 inches at Illahe, Oreg., in December, with 34.99 inches in the same State at Valseltz for November. Each month had some station without rain. California had 178 stations without rain in August, and Arizona reported none from 115 stations during May and June. It might be stated that in Hawaii during April of the past year, 111.75 inches of rain fell at Puohakamoe No. 2 and none at Waiopai Ranch.

Percentages of normal precipitation during the growing season, April 1 to September 30, 1942, are shown by

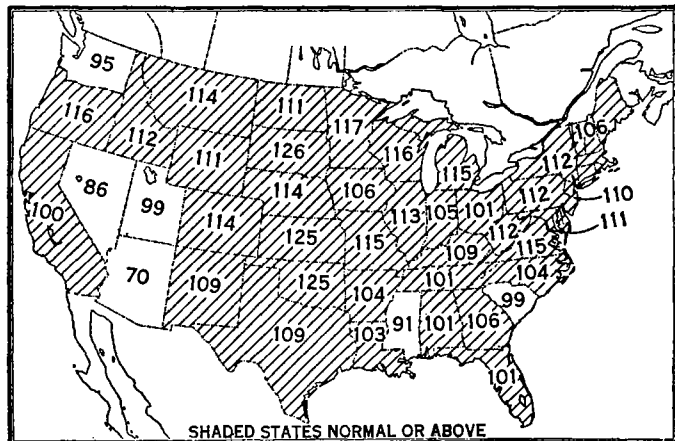


FIGURE 1.—Percentage of normal precipitation, 1942.

States in figure 2. During this season the total amounts were somewhat below normal in Nevada, Arizona, and Utah, and near normal in the Southeast, and far Northeast; elsewhere, they were above normal, with substantial excesses in the western Cotton Belt, Great Plains, western Lake region and especially in California. The active growing season, May to August, had a country-wide average of 12.12 inches, making it one of the wettest seasons of record. The weather during the past year was unusually favorable for crops on the whole, although there were a few adverse conditions, such as too much rain in northern States during part of the season, deficient moisture with an early summer drought in the East and south-central States, and unfavorably early fall frost in some sections.

During January, precipitation was decidedly scanty in most sections, especially between the Rocky Mountains and Mississippi River, and was above normal in the extreme Southeast and in some northeastern and more western areas. February precipitation was heavy in Florida and the Gulf coast sections and also above normal from the Ohio Valley to the Rocky Mountains. It was below normal in a belt from New Mexico northeastward to the middle and north Atlantic coasts.

In March, amounts were heavy in a large southeastern area, in the Atlantic States, and in a considerable north-

central area, being the wettest March in some localities; while in the Southwest it was decidedly dry. During April, abnormally heavy rains occurred in the Southwest and one of the driest Aprils of record prevailed in the East. It was very dry southward over northern Florida, but heavy rains occurred in extreme southern Florida, with Miami reporting a maximum April rainfall of 13.62 inches.

The drought situation was mostly relieved in the Atlantic States during May and most of the northern portion of the country had above normal amounts, while a large portion of the Southwest had scanty rainfall. June was characterized by extreme dryness in the far Southwest and abnormally heavy rains in much of the interior of the country. Marked contrasts prevailed locally during July. For instance, Cairo, Ill., reported 20 percent of normal, while nearby St. Louis, Mo., had the wettest July since 1875; also, Abilene, Tex., and Vicksburg, Miss., had the second driest, while San Antonio and Corpus Christi, Tex., had the wettest July of record. In general, during August the southern half of the country had above normal precipitation, except the Southeast, and the northern half below normal, except in a few limited areas. September precipitation was above normal from southeastern Idaho and the eastern Rocky Mountain region eastward almost to the Atlantic coast, while it was decidedly below normal west of this region, and somewhat below in the immediate central and lower Mississippi Valley.

October precipitation was rather spotted, being mostly below normal west of the Rocky Mountains, in the more northern interior States, and in the Southeast, and twice

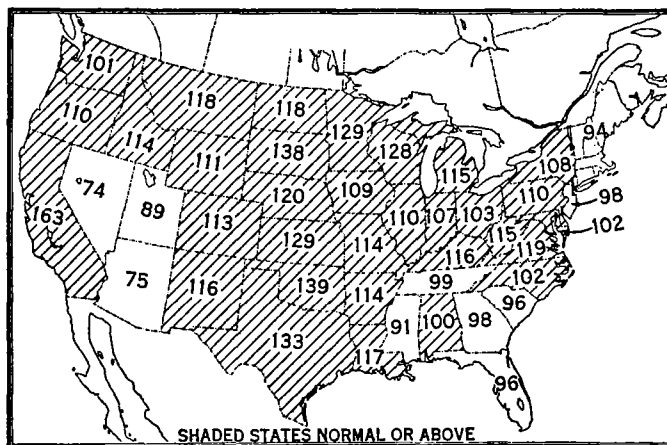
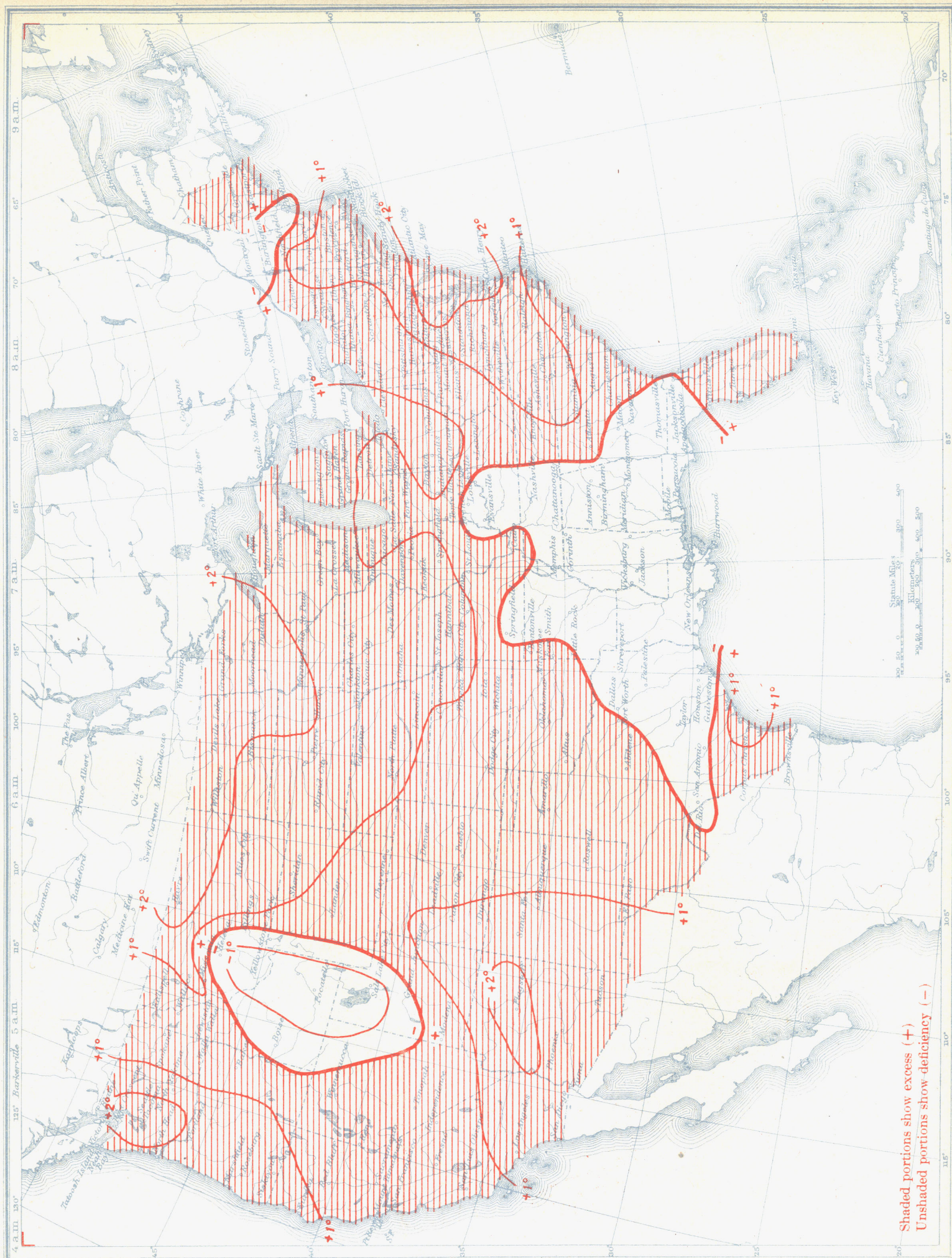


FIGURE 2.—Percentage of normal precipitation, April 1-September 30, 1942.

the normal from Wyoming to central Texas and in the Middle Atlantic States. November was abnormally wet in a large northwestern area, including northern California and also from the central Mississippi Valley and Lake region eastward, while it was abnormally dry in the South and especially in the Southwest. Precipitation during December was below normal in southern Texas and from southern California northeastward over the northern Rocky Mountains and northern Plains States, and above normal in most sections elsewhere.



## Annual Temperature Departures (°F.) in the United States, 1942



Shaded portions show excess (+)  
Unshaded portions show deficiency (-)



## Annual Precipitation Departures (inches) in the United States, 1942

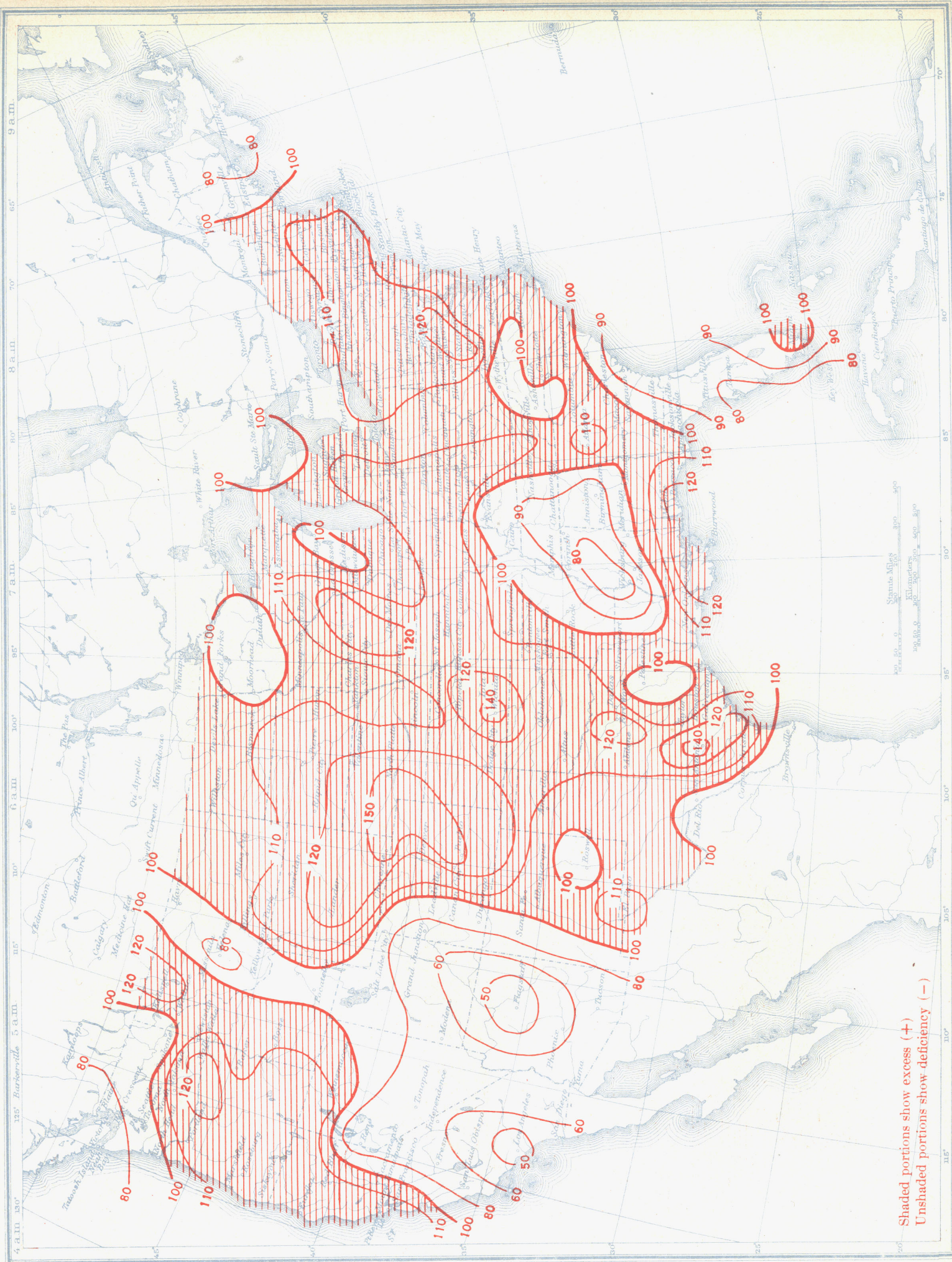




TABLE 1.—Monthly and annual temperature departures from normal for the year 1942

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1. Alabama.....	-3.2	-4.0	-0.5	+1.1	0.0	+0.4	+0.7	-1.1	-2.3	+1.2	+3.1	+1.8	-0.2
2. Arizona.....	+7	-4.6	-3.6	-1.9	-2.3	-1.6	+1.2	-7	+1	-1	+2.8	+3.0	-0.6
3. Arkansas.....	-3.1	-2.3	+4	+1.3	-1.1	-1	+6	-1.3	-3.1	0	+3.2	-0.2	-0.5
4. California.....	+1.1	-2.6	-1.2	-2.1	-2.9	-1.4	+2	+2	-7	+1.0	-3	+0.8	-0.7
5. Colorado.....	-1.8	-6.1	-3.2	+2.6	-4	-6	+8	0	-4	+7	+2.4	+3.0	-0.2
6. Florida.....	-2.1	-5.4	-2.2	-9	-3	+3	+1.9	+3	+6	0	+2.2	+2.5	-0.3
7. Georgia.....	-1.4	-4.8	-1.2	+7	-3	+4	+1.2	-1.0	-1.2	0	+2.2	+0.3	-0.4
8. Idaho.....	-4.1	-4.2	-3.1	+1.4	-3.5	-3.5	+1.0	+6	+1.4	+1.2	-1.0	+1.8	-1.0
9. Illinois.....	+2	-1.2	+3.3	+3.7	+2	+3	+3	-1.1	-2.2	+4	+2.7	-4.0	+0.2
10. Indiana.....	-4	-2.2	+2.7	+4.3	+1.2	+8	+5	-6	-2.1	+1.0	+2.8	-4.2	+0.3
11. Iowa.....	+3.0	+1.1	+3.7	+6.0	-9	+1	-4	0	-2.5	+1.4	+2.5	-3.9	+0.8
12. Kansas.....	+5	-7	+1.0	+3.3	-8	-1.1	+8	-1.0	-3.2	+5	+2.2	-8	+0.1
13. Kentucky.....	-3.0	-2.9	+2.1	+2.0	0	+8	+1.0	-9	-2.9	+3	+3.4	-1.6	-0.1
14. Louisiana.....	-3.8	-3.6	-2.3	0	-4	-1.6	0	0	-2.6	+4	+2.9	+0.8	-0.8
15. Maryland-Delaware.....	-9	-1.2	+2.0	+3.4	+3.6	+1.4	+8	-7	+5	+1.6	+2.0	-3.1	+0.8
16. Michigan.....	+6	-5	+3.8	+6.2	+7	+3	-1.2	+1	-2.3	+5	+2	-3.6	+0.4
17. Minnesota.....	+8.2	+3.9	+6.5	+6.0	-2.5	-1.7	-2.1	0	-4.3	+9	+3	-4.5	+0.9
18. Mississippi.....	-3.8	-3.9	-9	+9	-5	+4	+9	-9	-2.3	+1.0	+3.6	+0.7	-0.4
19. Missouri.....	+4	-1	+1.8	+3.8	-7	-3	+7	-1.4	-2.0	+3	+3.5	-1.6	+0.4
20. Montana.....	-1	-2.1	+1.4	+2.8	-2.8	-3.8	-3	+2	+8	+1.6	-1.3	+1.8	-0.2
21. Nebraska.....	+1.7	-1.2	+1.0	+4.4	-2.1	-1.2	+1.0	+5	-3.3	+1.0	+1.8	+9	+0.4
22. Nevada.....	+4	-2.4	-1.4	+8	-2.3	-1	+3.4	+2.1	+1.7	+3.0	+2.0	+5.5	+1.0
23. New England.....	-9	-1.0	+4.5	+2.6	+3.3	+9	-6	+6	+5	+1.3	0	-4.4	+0.6
24. New Jersey.....	-2.0	-9	+3.0	+3.5	+3.9	+8	+8	-7	+3	+1.5	+1.2	-3.8	+0.6
25. New Mexico.....	+5	-3.2	-3.3	+1	-7	0	+3.2	-4	-1.2	-6	+3.4	+4.1	+0.2
26. New York.....	-7	-1.9	+4.4	+4.6	+3.6	+1.2	-1	0	0	+2.0	+8	-4.1	+0.8
27. North Carolina.....	-1.8	-4.8	+1.1	+2.3	+1.1	+1.6	+1.6	-7	+4	+9	+1.9	-1.7	+0.2
28. North Dakota.....	+11.8	+4.4	-6.1	+3.4	-3.6	-2.9	-1.9	-2	-2.8	+2.5	+1.3	-2.4	+1.3
29. Ohio.....	+1	-2.4	+3.4	+4.6	+1.9	+1.6	+1.0	-4	-1.1	+1.7	+2.1	-4.0	+0.7
30. Oklahoma.....	-1.2	-2	-1	+1.9	-9	-2	-3	-1.6	-3.1	-9	+3.1	+0.8	-0.2
31. Oregon.....	-3.6	-1.3	-1.4	+6	-2.7	-2.8	+9	+8	+1.4	+1.8	-4	+2.6	-0.3
32. Pennsylvania.....	-1.7	-2.6	+2.5	+4.2	+2.8	+9	+4	-8	-5	+1.3	+4	-4.0	+0.2
33. South Carolina.....	-1.0	-5.5	+3	+1.9	+1	+1.2	+1.7	-7	+6	+1.0	+2.4	-1.1	+0.1
34. South Dakota.....	+6.7	+2.1	+2.7	+4.9	-3.8	-2.3	-1.5	+3	-4.1	+1.0	+1.7	-0.7	+0.6
35. Tennessee.....	-3.0	-3.8	+1.2	+2.1	+8	+1.6	+2.1	-1.0	-1.9	+8	+3.8	-0.8	+0.2
36. Texas.....	-2.8	-2.2	-1.8	-2	-4	+2	-1.4	-1.1	-3.4	-8	+3.1	+2.0	-0.7
37. Utah.....	-2.2	-5.6	-4.8	+8	-3.4	-1.5	+1.5	+3	+2	+1.8	+9	+4.1	-0.7
38. Virginia.....	-1.7	-2.8	+1.5	+3.3	+2.8	+1.5	+1.7	-7	+1	+1.2	+2.1	-1.6	+0.6
39. Washington.....	-1.7	+2.0	-1	+1.5	-1.1	-1.9	+1.8	+2.8	+2.4	+1.6	-2.1	+0.9	+0.5
40. West Virginia.....	-1.9	-4.0	+1.7	+2.9	+1.8	+1.7	+7	-7	-1.3	+1.1	+1.5	-3.2	0.0
41. Wisconsin.....	+3.1	+1.7	+4.5	+6.3	-1.1	-4	-1.2	0	-3.1	+5	+4	-4.2	+0.5
42. Wyoming.....	-2.8	-5.2	-1.4	+4.0	-2.6	-3.1	+1.4	+1.2	-2	+1.3	+9	+3.6	-0.2

TABLE 2.—Percentage of normal precipitation 1942

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1. Alabama.....	68	88	125	40	87	133	87	137	125	73	55	166	101
2. Arizona.....	50	81	47	204	0	0	64	82	64	113	12	84	70
3. Arkansas.....	72	85	84	175	80	112	37	167	105	106	97	118	104
4. California.....	86	88	54	234	175	16	14	178	35	49	164	90	100
5. Colorado.....	87	116	91	244	49	149	64	82	115	206	71	99	114
6. Florida.....	137	146	195	92	84	153	66	77	101	29	34	125	101
7. Georgia.....	104	92	165	38	123	113	82	109	125	77	64	152	106
8. Idaho.....	62	92	46	108	108	119	84	37	53	91	210	159	112
9. Illinois.....	62	163	92	78	104	140	152	106	84	76	192	129	113
10. Indiana.....	56	140	108	82	101	143	121	109	82	64	158	89	105
11. Iowa.....	70	107	114	38	117	137	139	89	110	70	107	142	106
12. Kansas.....	54	117	101	177	66	166	72	146	162	149	58	217	125
13. Kentucky.....	65	74	95	75	92	134	115	175	107	108	141	142	109
14. Louisiana.....	56	117	118	109	102	172	76	119	133	96	30	99	103
15. Maryland-Delaware.....	73	67	159	31	104	101	106	167	87	219	91	122	111
16. Michigan.....	90	57	167	53	135	112	128	101	148	112	107	148	115
17. Minnesota.....	24	39	202	96	175	90	102	147	165	59	43	116	117
18. Mississippi.....	52	87	111	72	84	102	57	137	111	113	39	135	91
19. Missouri.....	67	145	64	78	113	186	80	111	105	106	160	187	115
20. Montana.....	61	97	79	91	182	123	88	88	86	99	189	107	114
21. Nebraska.....	52	134	155	126	129	145	52	89	194	62	58	100	114
22. Nevada.....	82	80	63	118	110	49	26	66	7	72	200	95	86
23. New England.....	85	83	165	57	89	132	115	74	97	90	138	141	106
24. New Jersey.....	82	78	150	38	65	81	155	175	118	95	130	127	110
25. New Mexico.....	42	74	64	345	23	67	61	140	142	155	3	174	109
26. New York.....	67	88	142	77	118	87	129	94	142	102	121	185	112
27. North Carolina.....	67	90	130	30	128	103	87	122	132	141	66	141	104
28. North Dakota.....	18	73	244	138	137	90	98	158	114	45	31	106	111
29. Ohio.....	48	105	95	84	109	108	105	102	107	82	137	138	101
30. Oklahoma.....	51	102	61	250	49	180	53	159	160	135	81	163	126
31. Oregon.....	68	101	44	92	190	129	100	60	25	69	213	175	116
32. Pennsylvania.....	56	90	120	64	146	93	120	108	127	142	116	164	112
33. South Carolina.....	74	92	187	43	125	104	104	99	84	59	70	122	99
34. South Dakota.....	11	93	177	143	209	129	102	95	139	68	61	57	126
35. Tennessee.....	80	92	94	59	77	89	109	169	94	111	77	169	101
36. Texas.....	35	70	57	187	73	109	135	179	137	136	53	90	109
37. Utah.....	81	102	94	138	112	47	86	67	54	88	202	98	99
38. Virginia.....	77	58	114	20	127	126	92	193	136	207	68	133	115
39. Washington.....	52	75	63	79	149	164	171	42	15	95	151	104	95
40. West Virginia.....	55	69	95	53	113	117	97	176	129	142	138	169	112
41. Wisconsin.....	49	42	128	69	180	118	124	80	177	77	105	139	116
42. Wyoming.....	60	82	57	150	147	91	79	60	105	166	241	89	111

	January	February	March	April	May	June	July	August	September	October	November	December	Annual		January	February	March	April	May	June	July	August	September	October	November	December	Annual
1. Alabama	3.37	4.73	7.28	1.80	3.40	5.72	4.83	6.43	4.08	1.99	1.77	8.12	53.52	22. Nevada	0.99	0.84	0.61	0.91	0.92	0.24	0.10	0.31	0.03	0.43	1.28	0.94	7.60
2. Arizona	0.62	1.08	0.48	1.16	T	T	1.33	1.86	0.82	0.93	0.11	1.08	9.47	23. New England	3.03	2.68	6.04	1.94	2.98	4.54	4.32	2.83	3.68	3.12	4.80	4.74	44.70
3. Arkansas	3.20	2.97	3.95	8.42	3.89	4.54	1.39	5.96	3.52	3.19	3.83	4.87	49.73	24. New Jersey	2.98	2.69	5.73	1.39	2.41	3.11	7.30	8.24	4.55	3.43	4.14	4.53	50.50
4. California	4.17	3.80	1.98	3.98	1.75	0.66	0.01	0.16	0.07	0.60	3.78	3.64	24.00	25. New Mexico	0.25	0.54	0.48	2.97	0.27	0.84	1.51	3.34	3.26	1.72	0.02	1.22	15.62
5. Colorado	0.69	1.13	1.17	4.35	0.90	2.07	1.41	1.59	1.58	2.33	0.55	0.88	18.65	26. New York	2.01	2.43	4.36	2.32	4.03	3.00	5.04	3.53	4.98	3.32	3.75	5.43	44.19
6. Florida	3.79	4.55	6.13	2.63	3.37	10.32	4.85	5.39	6.75	1.20	0.74	3.45	53.17	27. North Carolina	2.53	3.63	5.44	1.10	5.21	4.84	5.14	6.89	5.18	4.61	1.76	5.36	51.69
7. Georgia	4.46	4.53	8.10	3.84	2.95	5.05	4.79	5.76	4.61	2.08	1.68	6.29	53.02	28. North Dakota	0.09	0.36	1.83	1.96	0.33	3.12	2.42	3.09	1.67	0.46	0.18	0.53	18.75
8. Idaho	1.38	1.60	0.82	1.52	3.14	1.60	0.54	0.22	0.54	1.32	4.09	3.35	20.12	29. Ohio	1.48	2.66	3.30	2.70	3.96	1.49	3.98	4.35	3.18	2.03	7.32	3.75	38.43
9. Illinois	1.47	3.21	0.91	2.62	4.19	5.46	4.89	3.66	3.05	1.91	5.12	2.77	41.16	30. Oklahoma	0.74	1.40	1.29	8.31	2.21	6.69	1.49	4.78	3.91	3.87	1.64	2.33	39.96
10. Indiana	1.79	3.40	4.00	2.92	4.04	5.55	4.03	3.71	2.71	1.73	4.83	2.48	41.19	31. Oregon	2.75	3.19	1.25	1.86	3.27	1.65	0.43	0.24	0.30	1.38	7.70	7.07	31.09
11. Iowa	0.76	1.15	1.96	1.06	4.70	5.93	4.89	3.77	4.13	1.53	1.76	1.59	32.63	32. Pennsylvania	1.81	2.64	2.20	2.21	5.62	3.83	5.15	4.50	4.37	4.50	3.35	5.06	47.24
12. Kansas	0.37	1.17	1.45	4.47	2.53	6.49	2.25	4.57	4.48	2.80	0.75	1.82	33.15	33. South Carolina	2.66	3.90	7.17	1.40	4.46	5.00	6.06	5.68	3.36	1.72	1.64	4.29	47.34
13. Kentucky	2.93	2.62	4.44	3.01	3.62	5.54	4.71	6.56	3.12	2.81	4.88	5.34	49.58	34. South Dakota	0.06	0.53	1.93	2.95	5.86	2.72	2.52	2.08	2.05	0.76	0.38	0.32	23.71
14. Louisiana	2.73	5.27	5.48	4.10	4.56	8.40	4.63	6.15	5.09	3.10	1.17	5.16	56.84	35. Tennessee	3.87	4.02	5.10	2.60	3.20	3.73	4.64	6.83	8.22	3.04	2.78	7.04	50.48
15. Maryland-Delaware	2.47	2.13	5.89	1.10	3.88	3.91	4.69	7.34	2.99	6.60	2.40	3.78	47.18	36. Texas	0.66	1.27	1.15	5.50	2.65	3.39	3.53	4.32	4.06	3.46	1.20	2.04	33.23
16. Michigan	1.8																										

[illegible]